

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of Claims in the Application:

Listing of Claims:

Claim 1 (Currently Amended): A USB plug with a multi-directional rotation structure, adopted for a portable electronic device and mating with an electronic product having a USB port; the USB plug comprising:

a main body having a first pivotal portion connecting an end thereof, the first pivotal portion including a first hollow ~~spherical~~ housing having semi-spherical inner and outer surfaces, and a first mating portion formed on a free end of the first hollow ~~spherical~~ housing; and

a USB mating body relative to the main body, and having a second pivotal portion connecting an end thereof and a USB interface disposed on an opposite end thereof; the second pivotal portion corresponding to the first pivotal portion, and the USB interface being relative to the USB port of the electrical product, wherein the second pivotal portion includes a second hollow ~~spherical~~ housing having semi-spherical inner and outer surfaces and a second mating portion formed on a free end of the second hollow ~~spherical~~ housing; wherein

the second hollow ~~spherical~~ housing has an internal diameter longer than an

external diameter of the first hollow ~~spherical~~ housing, and the second hollow ~~spherical~~ housing is loosely matched with the first hollow ~~spherical~~ housing for the first hollow ~~spherical~~ housing to be wrapped partially and loosely ~~wrapped in~~ wrapped in inside the second hollow ~~spherical~~ housing;

the second hollow ~~spherical~~ housing has an aperture diameter adjacent formed adjacent concentrically with the second mating portion and shorter than the external diameter of the first hollow ~~spherical~~ housing, in order to prevent the second hollow ~~spherical~~ housing from escaping out of the first hollow ~~spherical~~ housing; and

the first second hollow ~~spherical~~ housing has a retaining rim contacting and sliding on the second first hollow ~~spherical~~ housing for adjusting a relative displacement therebetween, whereby the second hollow ~~spherical~~ housing can be manipulated with no angular limitations and rotated in multiple directions.

Claim 2 (Currently Amended): The USB plug of claim 1, wherein the first hollow ~~spherical~~ housing has a first cavity formed therein communicating with a second cavity formed in the second hollow ~~spherical~~ housing, and a plurality of electrical cables penetrate through the main body and the USB mating body and electrically connect the main body and the USB interface.

Claim 3 (Original): The USB plug of claim1, wherein the main body is a portable electronic device.

Claim 4 (Original): The USB plug of claim 1, wherein the main body is a USB adapter having at least one data transmitting interface.

Claim 5 (Currently Amended): A USB plug with a multi-directional rotation structure, adopted for a portable electronic device and comprising:

two hollow ~~spherical~~ housings, each having semi-spherical inner and outer surfaces, mating with each other and defining a first hollow ~~spherical~~ housing and a second hollow ~~spherical~~ housing, the first hollow ~~spherical~~ housing having a first opening formed in an end thereof, and the second hollow ~~spherical~~ housing including a second opening formed in an end thereof and relative to the first opening; wherein:

the second hollow ~~spherical~~ housing has an internal diameter longer than an external diameter of the first hollow ~~spherical~~ housing, and the second hollow ~~spherical~~ housing is loosely matched with the first hollow ~~spherical~~ housing for the first hollow ~~spherical~~ housing being wrapped partially and loosely wrapped in wrapped in inside the second hollow ~~spherical~~ housing; and

the second hollow ~~spherical~~ housing has an aperture diameter formed concentrically with adjacent adjacent the second opening~~mating portion~~ mating portion and shorter than the external diameter of the first hollow ~~spherical~~ housing, in order to prevent the second hollow ~~spherical~~ housing from escaping out of the first hollow ~~spherical~~ housing;

whereby ~~whereby~~ the first hollow ~~spherical~~ housing contacts and slides on the second hollow ~~spherical~~ housing for adjusting a relative displacement therebetween, and one of the two hollow ~~spherical~~ housings is manipulated with no angular limitations and rotated around the other in multiple directions; and

at least one USB interface disposed on one of the two hollow ~~spherical~~ housings for mating with an electronic product having a USB port.

Claim 6 (Currently Amended): The USB plug of claim 5, wherein one of the two hollow ~~spherical~~ housings is a portable electronic device.

Claim 7 (Currently Amended): The USB plug of claim 5, wherein one of the two hollow ~~spherical~~ housings is a USB adapter having at least one data transmitting interface.